

Converting Colors

$Y_{xy}(19.0520, 0.5604, 0.3149)$

Have a look what the booklet for
Yxy(19.0520, 0.5604, 0.3149)
contains.

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Color

Yxy(19.0418, 0.5606, 0.3150)

Conversions

Conversions Part 1

Format	Color
Hex	E33245
RGB	227, 50, 69
RGB Percent	89%, 20%, 27%
CMY	0.1099, 0.8037, 0.7294
CMYK	0.00, 0.78, 0.70, 0.11
HSL	354°, 76%, 54%
HSV	354°, 78%, 89%
XYZ	33.8884, 19.0418, 7.5200
YIQ	105.0890, 99.3930, 43.4330

Conversions

Conversions Part 2

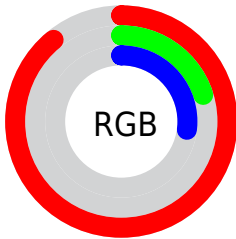
Format	Color
R_YB	227, 50, 69
Decimal	14889541
CIE Lab	50.74, 66.89, 33.01
CIE LCh	51, 74.591, 26.262
Yxy	19.0418, 0.5606, 0.3150
Android (android.graphics.Color)	4293079621 (0xFFE33245)
YUV	105.0890, -17.7919, 106.9159
Hunter-Lab	43.6369, 62.2582, 20.3283

Details

The Yxy color **19.0418, 0.5606, 0.3150** is a dark color, and the websafe version is hex **CC0033**. The color can be described as dark washed red. A complement of this color would be **60.1611, 0.2370, 0.3549**, and the grayscale version is **14.1881, 0.3127, 0.3290**.

A 20% lighter version of the original color is **34.1327, 0.4779, 0.3246**, and **7.8611, 0.6156, 0.3165** is the 20% darker color. If you saturate the color by 10%, you get **17.3472, 0.5988, 0.3185**, and if you desaturate by 10%, it is **21.7858, 0.5161, 0.3136**.

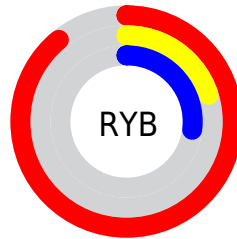
Distribution



Red (89%)

Green (20%)

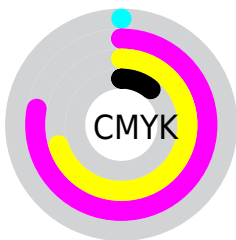
Blue (27%)



Red (89%)

Yellow (20%)

Blue (27%)

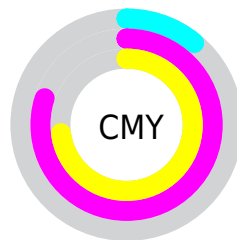


Cyan (0%)

Magenta (78%)

Yellow (70%)

Black (11%)



Cyan (11%)


Magenta (80%)


Yellow (73%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 19.0418, 0.5606, 0.3150 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the Yxy color 19.0418, 0.5606, 0.3150 by changing the saturation by 10% instead.


 19.0418, 0.5606,
0.3150


 19.0418, 0.5606,
0.3150


246.6794, 0.4208,
0.3335


 11.7005, 0.5985,
0.3049


 41.8047, 0.5068,
0.3254


 6.5401, 0.6473,
0.2881


 57.9951, 0.4874,
0.3282

 3.1762, 0.7206,
0.2634

 77.9040, 0.4714,
0.3300

 1.2244, 0.7896,
0.2104

 101.9157, 0.4579,
0.3313

 0.0815, 0.9617,
0.0383

 130.4148, 0.4465,
0.3322

 0.0000, 1.0000,
0.0000

163.7855, 0.4367,

 0.0000, 0.0000,

0.3328

0.0000

202.4122, 0.4282,
0.3332

■ 19.0418, 0.5606,
0.3150

■ 19.0418, 0.5606,
0.3150

■ 17.3472, 0.5988,
0.3185

■ 21.7858, 0.5161,
0.3136

■ 16.5145, 0.6252,
0.3233


■ 25.7089, 0.4715,
0.3141


■ 16.3945, 0.6292,
0.3240


■ 30.9257, 0.4309,
0.3159


■ 37.5361, 0.3960,
0.3184

■ 45.6305, 0.3672,
0.3212

 55.2915, 0.3438,
0.3241

 66.5955, 0.3250,
0.3269

 79.6142, 0.3099,
0.3295

 94.4147, 0.2977,
0.3319

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



19.0418, 0.4592, 0.2422



19.0418, 0.5606, 0.3150



19.0418, 0.5626, 0.3953

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



19.0418, 0.5606, 0.3150



19.0418, 0.2630, 0.5734



19.0418, 0.1335, 0.1478

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



19.0418, 0.5606, 0.3150



60.1611, 0.2370, 0.3549

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



19.0418, 0.1071, 0.1797



19.0418, 0.5606, 0.3150



19.0418, 0.1652, 0.4267

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



19.0418, 0.5606, 0.3150



19.0418, 0.3791, 0.5749



19.0418, 0.1146, 0.2667



19.0418, 0.1988, 0.1510

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



19.0418, 0.5606, 0.3150



19.0418, 0.5187, 0.4561



19.0418, 0.1146, 0.2667



19.0418, 0.1209, 0.1539

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



19.0429, 0.5606, 0.3150



65.1922, 0.3553, 0.3226



21.0009, 0.2979, 0.1543



13.0078, 0.3642, 0.3216



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



19.0429, 0.5606, 0.3150



21.7701, 0.6178, 0.3217



29.4857, 0.5170, 0.3938



14.3930, 0.3276, 0.3265



9.5717, 0.6270, 0.3228



0.7158, 0.5982, 0.3069

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



19.0429, 0.5606, 0.3150



21.7701, 0.6178, 0.3217



31.0749, 0.2032, 0.2287



14.3930, 0.3276, 0.3265



9.5717, 0.6270, 0.3228



0.7158, 0.5982, 0.3069

Previews

White Background



This preview shows how the Yxy color 19.0418, 0.5606, 0.3150 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

Black Background



This preview shows how the Yxy color 19.0418, 0.5606, 0.3150 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 19.0418, 0.5606, 0.3150

Background



This preview shows how black text looks on a background with the Yxy color 19.0418, 0.5606, 0.3150.



This preview shows how white text looks on a background with the Yxy color 19.0418, 0.5606, 0.3150.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

19.0418, 0.5606, 0.3150

Protanopia

19.1681, 0.3541, 0.3780

Deuteranopia

19.2906, 0.4289, 0.4218



Tritanopia

18.9813, 0.5773, 0.3291

Trichromacy



Original Color

19.0418, 0.5606, 0.3150

Protanomaly

16.8556, 0.4338, 0.3434

Deuteranomaly

17.4782, 0.4868, 0.3686

Tritanomaly

18.9405, 0.5720, 0.3246

Monochromacy



Original Color

19.0418, 0.5606, 0.3150

Achromatopsia

14.1263, 0.3127, 0.3290

Achromatomaly

13.6593, 0.4081, 0.3171

CSS Examples

Text

The CSS property to change the color of the text to Yxy 19.0418, 0.5606, 0.3150 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(227, 50, 69)` looks like.

```
.text, #text, p{  
    color:rgb(227, 50, 69)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(227, 50, 69) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 50, 69) }
```

Border

The CSS property to change the border of an element to Yxy 19.0418, 0.5606, 0.3150 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(227, 50, 69) }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(227, 50, 69) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(227, 50, 69)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(227, 50, 69); -webkit-box-  
shadow:4px 4px 4px 4px rgb(227, 50, 69);  
box-shadow:4px 4px 4px 4px rgb(227, 50,  
69) }
```


Background

The CSS property to change the background color of an element to Yxy 19.0418, 0.5606, 0.3150 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(227, 50, 69) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(227, 50,  
69) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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